|   |  |   |               | T                                     | <del></del>    | T                        | <del></del>  | Sheet 1 of     |
|---|--|---|---------------|---------------------------------------|----------------|--------------------------|--------------|----------------|
| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   |  |   |               | ATTY. DOCKET N<br>1103-04             | 10.            | SERIAL NO.<br>10/828,772 |              |                |
| LIST OF PRIOR   | ARTC   | TITED BY APPLICANT  | ريد<br>ريد    | APPLICANT<br>Ryoichi Sato et          | al.            |                          |              |                |
| LIST OF PRIOR ART CITED BY APPLICANT  (Use several sheets if necessary) |  |   |               | FILING DATE GROUP                     |                |                          |              |                |
| ANEMAN ANEMAN   |  |   |               | 4/21/04 1711                          |                |                          | 1            |                |
|   | т —  |   | PATENT DO     | CUMENTS                               |                |                          |              |                |
| EXAMINER  |  |   |               |                                       |                |                          | FILING DA    | ATE            |
| INITIAL*  | <del>                                     </del> | DOCUMENT NUMBER   | DATE          | NAME                                  | CLASS          | SUBCLASS                 | IF APPRO     |                |
|   | AA   | 4241193   | 12/23/80      | Gagliani                              |                |                          | •            |                |
| Mu  | AB   | 4546115   | 10/08/85      | Gagliani                              |                |                          |              |                |
|   | AC   |   |               |                                       |                |                          |              |                |
|   | AD   |   |               |                                       |                |                          |              |                |
|   | AE   |   |               |                                       |                |                          |              |                |
|   | AF   |   |               |                                       |                |                          |              |                |
|   | AG   |   |               |                                       |                |                          |              |                |
|   | AH   |   |               |                                       |                |                          |              |                |
|   | AI   |   |               | -                                     |                |                          | ·            |                |
|   | AJ   |   |               | · · · · · · · · · · · · · · · · · · · |                |                          | <del></del>  |                |
|   | AK   |   | <u> </u>      |                                       |                |                          | ·            |                |
|   |  | FOREIG  | N PATENT I    | DOCUMENTS                             |                |                          |              |                |
|   |  |   |               |                                       |                |                          |              |                |
|   |  |   |               |                                       |                |                          | TRANSLA      | TION           |
| *   | /  | DOCUMENT NUMBER   | DATE          | COUNTRY                               | CLASS          | SUBCLASS                 | YES          | NO             |
|   | AL   | 61-195126   | 08/29/86      | JP                                    | 44             |                          | <u>x</u>     |                |
|   | AM   | 01-313537   | 12/19/89      | JP                                    |                |                          | abstract     |                |
|   | AN   | 02-024326   | 01/26/90      | JP                                    |                |                          | abstract     |                |
|   | AO   | 04-211440   | 08/03/92      | JP                                    |                |                          | abstract     | _              |
|   | AP   |   |               |                                       |                |                          |              |                |
|   |  | OTHER PRIOR ART (Inch   | uding Author, | Title, Date, Pertinent P              | ages, Etc.)    |                          |              |                |
|   |  |   |               | "                                     |                |                          |              |                |
|   | [  |   |               | -                                     |                |                          |              | <del></del> -  |
|   | AR   |   |               |                                       |                |                          |              |                |
|   | }  | 6/1   |               | <del></del>                           |                |                          |              |                |
|   | AS   | _/////  |               |                                       |                |                          |              |                |
| EXAMINER  |  |   |               | DATE CONSIDERED 6/2006                |                |                          |              |                |
| *EXAMINER: Init   | ial il refe<br>form wi                           | erence considered, whether or not citation is in confi<br>th next communication to Applicant. | ormance with  | MPEP 609; Draw line                   | through citati | on if not in confor      | mance and no | ot considered. |

| Form PTO-1449 U.S. DEPARTMENT OF COMMERCE | / |
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| DATENT AND TO A DOMARY OFFICE             | • |

Include copy of this form with next communication to Applicant.

ATTY. DOCKET NO.

SERIAL NO.

| PATENT AND TRADEMARK OFFICE           |                      |                              | 3 2004 12   | <u> </u>                     | 1103-04 10/828,772                      |                |          |                 |      |  |
|---------------------------------------|----------------------|------------------------------|-------------|------------------------------|---|----------------|----------|-----------------|------|--|
|                                       |                      | 1                            | SP 1 3 ZONA |                              | APPLICANT Ryoic                         | hi Sato et al. |          |                 |      |  |
| LIST OF PRIOR ART CITED BY APPLICANT  |                      |                              |             |                              | FILING DATE                             |                | GROUP    |                 |      |  |
| (Use several sheets if necessary)     |                      |                              | THE         |                              | 04/21/04                                | <del></del>    | 1711     |                 |      |  |
|                                       |                      |                              | U.S. P      | ATENT DO                     | CUMENTS                                 |                |          |                 |      |  |
| EXAMINER                              |                      |                              |             |                              |   |                |          | FILING DA       | TE   |  |
| INITIAL*/                             | _                    | DOCUMENT NUMBER              |             | DATE                         | NAME                                    | CLASS          | SUBCLASS | IF APPROP       |      |  |
|                                       | AA                   | 4,980,102                    |             | 12/25/90                     | Francis U. Hill                         |                |          |                 |      |  |
|                                       | AB                   |                              |             | <u></u>                      |   |                |          |                 |      |  |
| · · · · · · · · · · · · · · · · · · · | AC                   |                              |             |                              | <u></u>                                 |                |          |                 | ·    |  |
|                                       | AD                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AE                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AF                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AG                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AH                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | Al                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AJ                   |                              |             |                              |   |                |          |                 |      |  |
|                                       | AK                   |                              |             |                              |   |                |          |                 | _    |  |
|                                       |                      |                              | FOREIG      | N PATENT                     | DOCUMENTS                               |                |          | <del></del>     |      |  |
|                                       |                      |                              |             |                              |   |                |          |                 |      |  |
|                                       |                      |                              |             |                              |   |                |          | TRANSLAT        | TION |  |
| - /                                   |                      | DOCUMENT NUMBER              |             | DATE                         | COUNTRY                                 | CLASS          | SUBCLASS | TRANSLAT<br>YES | TION |  |
| h                                     | AL                   | DOCUMENT NUMBER              |             |                              |   | CLASS          | SUBCLASS | ·               |      |  |
| Ar gi                                 | AL<br>AM             |                              |             | DATE                         | COUNTRY                                 | CLASS          | SUBCLASS | YES             |      |  |
| Je Je                                 |                      | 1 018 507 A1                 |             | DATE<br>07/12/00             | COUNTRY                                 |                | SUBCLASS | YES             |      |  |
| Ju<br>Ju                              | AM<br>AN             | 1 018 507 A1                 |             | DATE<br>07/12/00             | COUNTRY                                 |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM                   | 1 018 507 A1                 |             | DATE<br>07/12/00             | COUNTRY                                 |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM<br>AN<br>AO       | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM<br>AN<br>AO       | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY                                 |                | SUBCLASS | YES             |      |  |
| Ju<br>Ju                              | AM<br>AN<br>AO       | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM<br>AN<br>AO       | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM<br>AN<br>AO<br>AP | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju                                    | AM<br>AN<br>AO<br>AP | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju Ju                                 | AM AN AO AP          | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| Ju Ju                                 | AM AN AO AP  AR      | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     |                | SUBCLASS | YES             |      |  |
| FYAMINED                              | AM AN AO AP          | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY  EP  EP  Title, Date, Pertinent | Pages, Etc.)   | SUBCLASS | YES             |      |  |
| EXAMINER                              | AM AN AO AP  AR      | 1 018 507 A1<br>1 167 427 A1 |             | DATE<br>07/12/00<br>01/02/02 | COUNTRY<br>EP<br>EP                     | Pages, Etc.)   | SUBCLASS | YES             |      |  |